



Review

Introducing ABMMA bioelectric meridian therapy (BMT): A holistic path to wellness

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Abstract: Bioelectric Meridian Therapy (BMT) is a concept that integrates modern bioelectric science with Traditional Chinese Medicine (TCM) principles. BMT is a three-in-one technique applied in clinical practice by the Academy of Bioelectric Meridian Massage Australia (ABMMA). It is a TGA-approved low-voltage device that is practitioner-controlled and uses conductive cream. This opinion piece describes the biological bases of BMT, its therapeutic applications, and its supplementation by healthcare. It has evidence to support its capacity to improve circulation, balance the inflammatory response, and balance both physical and psychological aspects. BMT's effectiveness is based on practitioner involvement, safety standards and educational frameworks. ABMMA's growing partnership with academic institutions like Universiti Teknologi Malaysia (UTM) shows that clinical research and professional training are needed for credibility to stand. ABMMA-BMT is not positioned as an alternative to conventional medicine but as an integrative model offering holistic, patient-centred care. Ultimately, this article advocates for further research and collaboration to promote the broader adoption of ABMMA-BMT in evidence-based healthcare systems.

Keywords: ABMMA; Bioelectric Meridian Therapy (BMT); Wellness path; ABMMA-BMT

1. Introduction

A Turning Point in Complementary Health: In the modern world of global wellness, things are beginning to shift decisively and to move from Eastern tradition to Western technologic innovation. ABMMA shows this transformation to be through the structured and clinical application of BMT, a therapeutic modality based on the principles of TCM and now gaining scientific support through bioelectric science.

The combination of a holistic philosophy and scientific methodology by BMT is very powerful. Evidence in complementary care is now supported by observable cellular and bioelectric responses, establishing BMT as a new dimension grounded in meridian theory and the dynamics of subtle energy flow [1]. BMT features a safe, low-voltage electrical stimulation therapy, practitioner-controlled techniques and conductive therapy mediums, which all work together to activate the body's ability to heal itself. According to a recent report, electrical stimulation has emerged as a versatile modality in biomedical research, primarily due to its ability to modulate and manipulate cellular activities across the cell membrane [2].

This opinion piece presents ABMMA-BMT as a therapeutic promise based on its biological basis, clinical applications, and practitioner-delivered experience. It also considers the increasing interest in BMT within healthcare communities in Australia and internationally as a meaningful development in how health and healing are understood, practised, and advanced.

2. Bridging the Gap

Where TCM Meets Technology: ABMMA-BMT built-into the new paradigm of health and wellness, not a treatment technique. Whereas conventional medical interventions depend on pharmacological treatments or invasive procedures, BMT relies on the electrical rhythm's built-in alignment with the body's natural healing capacity. The ABMMA PRO BMT Device, practitioner-applied therapeutic touch, and a specially formulated conductive cream are all part of this integrative modality that uses a three-in-one approach (Figure 1).

The core principle of TCM that underlies BMT is that meridians channels through which “Qi” or life energy flows [3]. Just like bioelectric circuits, these meridians behave like bioelectric circuits and imbalances or obstructions that contribute to the onset of disease. Safe, low-voltage bioelectric stimulation is used by BMT to uniquely address these disruptions. External to the skin, this stimulation would activate acupoints which would promote physiological integrity, reduce congestion in the blood, and revitalize the cellular level [4]. Beyond the physical relief, the therapy’s effects continue to go on in emotional clarity, groundedness, and in increased vitality, indicating that they support both the physical and the emotional health [5].



Figure 1. ABMMA-BMT Model. Number 1 represents BMT (Bioelectric Meridian Therapy) Device, Number 2 indicates the Therapist (BMT Practitioner), Number 3 indicates the Client (Receiving Therapy), and number 4 shows the Bioelectric Circuit Connection.

3. Beyond “No Pain, No Gain”

A New Healing Philosophy: Under ABMMA-BMT model, the existing view is that the effective healing should be associated with discomfort, is challenged. It is a therapeutic philosophy that can heal through gentle, non-invasive means. BMT activates cells and starts healing the body using mechanisms called ‘cellular tickling,’ whereby light stimulation is applied to cellular membranes. The energy alignment process rather than the physical force redefine this method restoration [6].

The human body is made up of trillions of electrically charged cells each of which functions similarly to a miniature battery. These bioelectric charges are vital for immune response, tissue regeneration, and are essential for the normal function of every cell [7]. This process is supported by BMT, which facilitates passage of positive ions through membrane channels increasing cellular voltage to help restore homeostasis [8].

BMT is not biologically disruptive but rather a gentle correction to physiological processes. In chronic and stress-related conditions, natural regulatory mechanisms may be impaired, and this is particularly relevant. Outcomes that have been documented include increase in energy level, increase in sleep quality, decrease in pain, increase in emotional resilience [9].

4. Precision Meets Safety

The ABMMA PRO BMT Device: The ABMMA PRO BMT Device is one of the key component in the clinical use of Bioelectric Meridian Therapy. This device was developed in conjunction with Australian engineers in response to safety and precision shortcomings of previously imported BMT equipment. As previous devices lacked critical regulatory features necessary for safe clinical use, a custom-built device with clinical regulatory features was developed.

The ABMMA PRO is the only BMT device approved by the Therapeutic Goods Administration (TGA) (the approval details are available here: <https://www.tga.gov.au/resources/artg/352693>) in Australia, and this is a strong commitment to safety, efficacy, and scientific accountability. The certification assures electrical and clinical safety benchmarks compliance, recognition by insurance providers and increased confidence among practitioners and clients.

The device emits safe and therapeutically effective, controlled, and low-frequency electrical signals. These signals are administered by trained practitioners in which the practitioner’s hands deliver targeted bioelectric stimulation through the meridian system of the client. It helps to revive dormant cellular processes and promote the repair and regeneration of tissue using mechanism that does not involve surgical methods [8].

5. Touch as Technology

The Role of Practitioners: ABMMA PRO BMT device is highly dependent on practitioner expertise and is therefore distinct from automated therapeutic devices. As dynamic conduits for energy transmission, practitioners make real-time adjustments to the energy flow as the client responds. The application is effective only if one has a good anatomical understanding, is proficient in localizing acupoints, and is able to interpret tactile feedback during sessions.

An optimized electric conductivity is achieved by using a specially formulated conductive cream which improves the energy transfer and guarantees therapeutic accuracy in electrical conductivity. ABMMA-BMT model uniquely integrates manual technique and bioelectric modulation, which creates a hybrid model of care that lies between traditional acupuncture and the automated device-based therapies.

It has also been demonstrated that therapeutic touch has physiological advantages. According to empirical research, touch-based therapies support emotional stability and a sense of security by lowering cortisol levels and increasing oxytocin secretion [10]. By addressing both physical imbalances and emotional and psychological well-being, this mechanism is integrated into BMT to enhance overall therapy outcomes.

6. Case for integration

Complementing conventional therapies: ABMMA-BMT model serves as a supplementary modality rather than a substitute for Western medicine. Physiotherapy, sports rehabilitation, integrative oncology, and mental health assistance all make use of it. Within a framework of safety, client-centered care, and quality, the therapy improves circulation, modifies the immunological response, and speeds up the healing process [11,12].

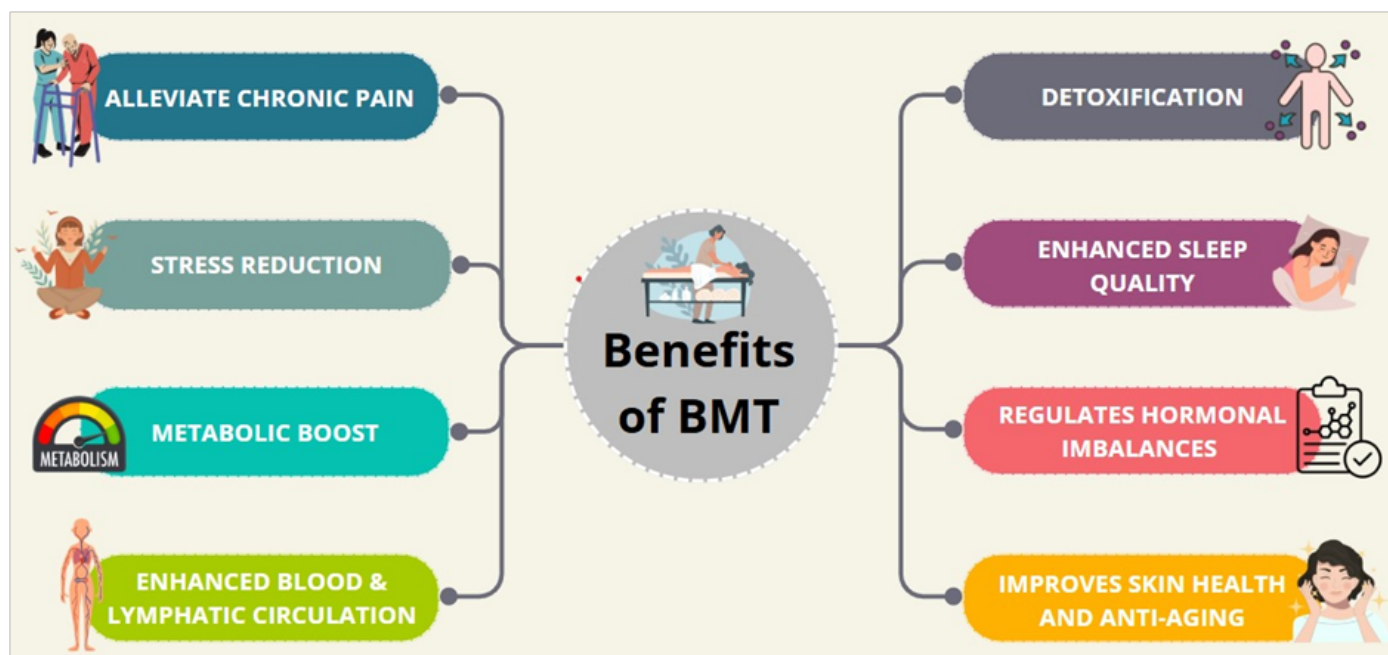


Figure 2. The benefits of Bioelectric Meridian Therapy (BMT).

ABMMA PRO BMT device is being used in clinical settings in association with physical therapy in the recovery from musculoskeletal injuries. BMT is adjunctive in oncology care for relief from chemotherapy-induced fatigue and peripheral neuropathy. It is used in mental health in the context of trauma recovery: house psychologists coordinate it with trauma recovery protocols, using it as a soothing ingredient for the autonomic nervous system. Furthermore, recent clinical findings have shown that ABMMA-BMT can help with recovery from long COVID. A case study disclosed that sustained ABMMA-BMT treatment significantly improved a patient's cognitive function, muscle strength and vitality as an aspect of post-viral rehabilitation [9].

A prospective, sham-controlled, cross-over trial conducted at RMIT University further supported the clinical potential of the ABMMA-BMT model, demonstrating both the efficacy and safety in modulating pain among healthy participants. The real versus sham BMT trial measured these physiological markers and was a key experimental leap in scientifically validating BMT's therapeutic employment in the treatment of pain [13]. The therapeutic advantages of BMT, including its physical and emotional health benefits, are illustrated in Figure 2.

Due to the noninvasive nature of BMT, it can be accessible to a wide range of patients, such as children who experience fear or challenges related to behaviour, as well as older adults with an impairment such as joint stiffness or immune dysfunction. As such, BMT is relevant and important in modern healthcare, which is based on the principles of inclusion, flexibility, and an approach focused on one's balance of physical, mental, and spiritual aspects.

7. Educational pathways and professional training: ABMMA ensures a structured training pathway to competency and continuing development for practitioner of BMT so practitioner competency and high standard application of ABMMA-BMT can be maintained. The theoretical instruction regarding TCM meridian systems and bioelectric concepts are integrated with hands-on clinical application via programs.

Beyond foundational certification, ABMMA supports practitioners through advanced courses, peer mentorship, and access to collaborative research initiatives. The purpose of these efforts is to create a professional, ethical community committed to efficacy in therapy and innovation in the practice of bioelectric health care.

8. National accreditation:

A milestone for professional recognition: Recently, 11341NAT Course in Bioelectric Meridian Therapy has been nationally accredited in Australia through formal recognition by the Australian Skills Quality Authority (ASQA; Figure 3). ABMMA is the IP owner of the course. This accreditation confirms the pedagogical integrity, clinical relevance and vocational quality of the training provided. It acts as a milestone advancement in the standardisation of BMT as a professionalised field, following nationally endorsed health education standards. With this milestone, practitioner credibility can be increase, and BMT certification pathways can be made structurally more plausible and more widely accepted within integrative healthcare systems. It also reinforces ABMMA's commitment to evidence-informed education that combines traditional medicine and contemporary bioelectric science.

Figure 3 consists of three panels (A, B, and C) showing the accreditation details for the 11341NAT Course in Bioelectric Meridian Therapy on the training.gov.au website.

(A) ASQA course listing: Shows the course title "11341NAT Course in Bioelectric Meridian Therapy" with a status of "Current" and a validity period from "10/Apr/2025" to "09/Apr/2030".

(B) Accreditation details: A table listing the following information:

Status	Current
Recognition manager	Australian Skills Quality Authority (ASQA)
Currency period start	10/Apr/2025
Currency period end	09/Apr/2030
Authority	National Vocational Education and Training Regulator Act 2011

(C) Curriculum overview: Provides an overview of the course, stating it is designed to provide graduates with critical knowledge and practical skills necessary to excel as BMT practitioners, significantly enhancing their career prospects. It is particularly beneficial for those already practicing in related health fields such as remedial massage therapy, chiropractic, physiotherapy, or other bodywork professions. By acquiring this unique award, graduates will augment their existing capabilities and also expand their service offerings, improving their marketability and employment prospects in a competitive health and wellness industry.

Figure 3. Accreditation of 11341NAT Course in Bioelectric Meridian Therapy (A) ASQA course listing, (B) Accreditation details, including provider and duration, and (C) Curriculum overview [14].

9. Looking ahead

Research, recognition, and collaboration: The interest in ABMMA-BMT is growing and it needs scientific evidence. ABMMA is also involved in research and publication to facilitate the inclusion of ABMMA-BMT in health systems. In order to advance knowledge on ABMMA-BMT efficacy, mechanisms and therapeutic applications, collaborations with researchers and academic institutions, as well as with healthcare providers, are crucial. One of the notable development is the partnership between Universiti Teknologi Malaysia (UTM) and ABMMA to improve academic development and industrial training in sports science and technology. The collaboration between UTM's Faculty of Educational Sciences and Technology (FEST) and the Sports Science Panel is aimed at creating a professional training platform and expanding research networks. Collaborative research efforts related to clinical trials, in particular, are prioritised to further science's understanding of BMT outcomes and validate underlying mechanisms. Such initiatives are important to bolster the modality's credibility and to help the modality's wider integration into evidence-based healthcare practices [15].

10. Conclusions

Conclusion as a new era of care: ABMMA-BMT is a completely new approach to integrative health care, draw on today's scientific knowledge and links it with timeless healing practices. It opens up a healing modality in the complementary and alternative medicine system in the light of modern science and therapeutic practices. Instead of being an alternative to traditional medicine, BMT provides an additional model of care that enriches the existing one and opens up a horizons for individualised, holistic treatment. Further research and cooperation will be crucial for its application in today's healthcare organisations.

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References

1. Becker, R. O. & Selden, G. (1985). *The body electric: Electromagnetism and the foundation of life*. William Morrow and Company, Inc., 1350 Avenue of America, NY-10019, USA.
2. Gupta, A., Mallari, P., Taulier, T., and Kamal, M.A. (2025). Electrical stimulation: Biological insights and therapeutic applications. *Global Translational Medicine*. 4(3), 22–35. doi:10.36922/gtm.7774.
3. Niruthisard, S., Ma, Q., and Napadow, V. (2024). Recent advances in acupuncture for pain relief. *Pain Reports*, 9(5), e1188. doi:10.1097/PR9.0000000000001188
4. Keown, D. (2014). *The spark in the machine: How the science of acupuncture explains the mysteries of Western medicine*. Singing Dragon. Philadelphia, PA-19106, USA.
5. Field, T. (2010). Touch for socioemotional and physical well-being: A review. *Developmental review*, 30(4), 367-383. doi:10.1016/j.dr.2011.01.001
6. Abdillahi, S. M. (2016). *Host Defense Properties of Collagen VI. A novel concept in connective tissue innate immunity*. Lund University: Faculty of Medicine.
7. Tuszyński J.A. (2019). The Bioelectric Circuitry of the Cell. 2019 Aug 28. In: Makarov S, Horner M, Noetscher G, editors. *Brain and Human Body Modeling: Computational Human Modeling at EMBC 2018* [Internet]. Cham (CH): Springer. Chapter 11, 195-208.
8. Kim J., Kim J., Ahn J., Chung S., and Han C. (2023). Artificial action potential and ionic power device inspired by ion channels and excitable cell. *Adv Sci.*;10(16). 1-10. doi:10.1002/advs.202301037
9. Mallari, P., Taulier, T., & Kamal, M. A. (2024). Recovery From Long COVID: The Role of Bioelectric Meridian Therapy in Restoring Health and Well-Being. *Cureus*, 16(12), e76279. doi:10.7759/cureus.76279
10. McGreevy, S., & Boland, P. (2022). Touch: An integrative review of a somatosensory approach to the treatment of adults with symptoms of post-traumatic stress disorder. *European Journal of Integrative Medicine*. 54, 102168.
11. Wounds International. Improvement in quality of life and speech: Case study of a head and neck cancer patient using manual lymphatic drainage and bioelectric massage therapy. 2024a. <https://woundsinternational.com/journal-articles/improvement-in-quality-of-life-and-speech-case-study-of-a-head-and-neck-cancer-patient-using-manual-lymphatic-drainage-and-bioelectric-massage-therapy/>
12. Wounds International. Is manual lymphatic drainage with bio-electric massage therapy a good treatment combination for lymphoedema and lipoedema? A case study. 2024b. <https://woundsinternational.com/journal-articles/is-manual-lymphatic-drainage-with-bio-electric-massage-therapy-a-good-treatment-combination-for-lymphoedema-and-lipoedema-a-case-study/>
13. ANZCTR - Registration. (2023). <https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?id=385065&isReview=true>.
14. <https://training.gov.au/training/details/11341NAT/summary>
15. <https://news.utm.my/2025/03/utm-and-abmma-collaborate-on-sports-science-training-and-research/>.

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